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23123 7590 02/09/2005

SCHMEISER OLSEN & WATTS
 18 E UNIVERSITY DRIVE
 SUITE # 101
 MESA, AZ 85201

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Gina Thomas	(Depositor's name)
<i>Gina Thomas</i>	(Signature)
May 9, 2005	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/031,534	03/28/2002	James R. Beckman	A32500-PCT USA	6232

TITLE OF INVENTION: METHOD AND APPARATUS FOR SIMULTANEOUS HEAT AND MASS TRANSFER UTILIZING A CARRIER-GAS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$0	\$700	05/09/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
MANOHARAN, VIRGINIA	1764	203-049000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Schmeiser, Olsen &
 Watts LLP
 2
 3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 19-0513 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Pacer K. Udall

Date May 9, 2005

Typed or printed name

Pacer K. Udall

Registration No. 50,976

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Beckman

Docket No.: ARIZ-10542

Serial No.: 10/031,534

Group Art Unit: 1764

Filed: 03/28/2002

Examiner: Manoharan, Virginia

Title: METHOD AND APPARATUS FOR SIMULTANEOUS HEAT AND MASS
TRANSFER UTILIZING A CARRIER-GAS

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUBMISSION OF ISSUE FEE

Enclosed for entry to the above-referenced case, please find:

1. Postcard;
2. Form PTOL-85; and
3. Firm check in the sum of \$700.

The Commissioner is hereby authorized to charge Schmeiser, Olsen & Watts Deposit
Account No. 19-0513 any deficiency or credit any overpayment.

Respectfully submitted,

Peter K. Udall
Reg. No. 50,976

DATE: May 9, 2005
SCHMEISER, OLSEN & WATTS
18 East University Drive, #101
Mesa, Arizona 85201
(480) 655-0073

I HEREBY CERTIFY THAT THE CORRESPONDENCE TO WHICH THIS STATEMENT IS AFFIXED IS BEING DEPOSITED WITH THE
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FEE, COMMISSIONER FOR PATENTS, ALEXANDRIA, VA 22313-1450,

ON: May 9, 2005

SIGNED:
Gina Thomas